



"Peterson, Julie A
NWD02"
<Julie.A.Peterson@nwd
02.usace.army.mil>

To: Brad Jackson/R4/USEPA/US@EPA
cc:
Subject: RE: Radium/Radiation Support

08/24/2004 12:20 PM

Brad -

Yes, Tom Sydelko and I have talked recently about this project. The information he provided, as well as the email from you, have definitely piqued my interest. It would be great to be involved in the project at this early stage - to possibly provide input regarding data needs and data collection/evaluation techniques.

I will be out of the office for approximately 6 weeks beginning around December 1, 2004. I would be available to meet any time before that if it fits your schedule or we could shoot for something mid-January. If you would like, I could also arrange for you to meet with various representatives from the Corps' HTRW Center of Expertise (HTRW CX) to discuss services the HTRW CX has to offer. Areas of technical assistance that may be of interest to you could include health physics, radiation risk assessment, radiochemistry, regulatory/legal, geology, and environmental engineering.

Below, FYI, is a link to the HTRW CX's web site which describes our resources. Personally, I find it easiest to navigate this site by using the "site map".

<http://www.environmental.usace.army.mil/>

I look forward to hearing from you soon.

Julie A. Peterson, CHP
US Army Corps of Engineers
12565 West Center Road
Omaha, NE 68144
phone: 402-697-2592
fax: 402-697-2595
julie.a.peterson@usace.army.mil

-----Original Message-----

From: Jackson.Brad@epamail.epa.gov [mailto:Jackson.Brad@epamail.epa.gov]
Sent: Monday, August 23, 2004 2:48 PM
To: Peterson, Julie A
Subject: Fw: Radium/Radiation Support

Julie:

Tom Sydelko said he spoke with you about support that the Omaha District HTRW might be able to offer for one of my projects. We are in the early stages of investigating a large area of residential development over



formerly mined phosphate lands contaminated with radium. We have observed radiation levels ranging from background (6uR/hr) to a max. of about 70uR/hr. Radium levels range in the 10 to 20 pCi/g, with maximum levels of about 50pCi/g.

Argonne and BN are assisting us with an aerial radiation survey. From there, we expect that we would further define the extent of contamination using ground-based surveys. We are using the UMTRCA criteria of 5pCi/g and 20uR/hr as our thresholds for identifying problem areas and possible remediation. We have been working on this for sometime, and hope to conduct the aerial survey in the spring of next year.

I have worked w/ the Corps a good bit on other Superfund projects and would like to have the Corps play a significant role in this work as well. I have primarily worked through the Jacksonville District office, but have worked with Mary Darling and Ric Hines with Omaha on other Superfund projects. I also heard your presentation at the EPA/Corps conference in San Antonio last year and was very impressed with HTRW's capabilities.

I understand you will be out some time soon, but when you return, I would like to meet with you and others at the Omaha District office to discuss the extent of radiation support/expertise that HTRW might offer.

If you have an idea of how long you might be out, I could contact you again to try and schedule an appointment then.

Thanks, Brad